

Title (en)

POLYURETHANE ROLLER WITH HIGH SURFACE RESISTANCE

Title (de)

POLYURETHAN-ROLLE MIT HOHEM OBERFLÄCHENWIDERSTAND

Title (fr)

ROULEAU EN POLYURETHANNE PRESENTANT UNE RESISTANCE DE SURFACE ELEVEE

Publication

EP 1202861 A4 20070228 (EN)

Application

EP 00923436 A 20000417

Priority

- US 0010311 W 20000417
- US 35250399 A 19990712

Abstract (en)

[origin: US6150025A] A roller for electrophotography is made from a mixture of polyurethane, polydiene, polyether diol, a first conductive filler and a second conductive filler which catalyzes oxidation of the polydiene. The first conductive filler comprises hexahalogenated acetylacetonates. The roller has a very high outer surface electrical resistance from baking the roller to oxidize the polybutadiene. The charge roller is achieved at low production cost and functions well with charging by a DC potential and AC overlay.

IPC 8 full level

G03G 15/02 (2006.01)

CPC (source: EP US)

G03G 15/0233 (2013.01 - EP US); **G03G 2215/00957** (2013.01 - EP US); **Y10T 428/1393** (2015.01 - EP US); **Y10T 428/31551** (2015.04 - EP US); **Y10T 428/31605** (2015.04 - EP US)

Citation (search report)

- [A] EP 0878748 A1 19981118 - LEXMARK INT INC [US]
- See references of WO 0103924A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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